DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

	: IE3 I	hree-Phase		Produ	ct code :	12868	138
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 132S : F : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55 : N		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC411 - TEFC : B5T : Both (CW and CCW) : Direct On Line : 70.2 kg : 0.0234 kgm ²	
Dutput [kW]		7.5	7.5 7.5		7.5		7.5
Poles		2		2	2		2
requency [Hz]		50	5	1	50		60
Rated voltage [V]		380/660			415 13.9		460
Rated current [A]		14.4/8.29 115/66.3			13.9		12.4 117
L. R. Amperes [A] LRC [A]		8.0			9.0		9.4
No load current [A]		4.75/2.73					5.00
Rated speed [RPM]		2915				2930 353	
Slip [%]		2.83				2.33 1.8	
Rated torque [kgfm]		2.51	2.50		2.49		
Locked rotor torque [%]		240				300 310	
Breakdown torque [%]		300	300 330		350		370
Service factor		1.00			1.00		1.00
Temperature rise		80 K		K	80 K		80 K
Locked rotor time		18s (cold) 10s (hot)		10s (hot)	18s (cold) 1		18s (cold) 10s (hot)
Noise level ²	050/	63.0 dB(A)	63.0 (ав(А)	63.0 dE	5(A)	68.0 dB(A)
	25% 50%	89.2	88	1.5	87.9		86.9
Efficiency (%)	50% 75%	90.1	89	1	87.8		89.3
	100%	90.1	90		90.3		90.2
	25%					·	
	50%	0.73	0.0	68	0.63	3	0.67
Power Factor	75%	0.83	0.8	1	0.76		0.78
	100%	0.88	0.8	85	0.83	3	0.84
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: 6308 ZZ 620 : Oil Seal Lip : - : -	Oil Seal Lip Seal Max. comp			: 106 k : 176 k	
must be eliminate	ed.	ncel the previous one, wh	po	wer supply, s			ests with sinusoidal s stipulated in IEC
must be eliminate (1) Looking the m (2) Measured at ((3) Approximate manufacturing pr (4) At 100% of fu	ed. notor from the 1m and with t weight subjec rocess.	e shaft end. colerance of +3dB(A). ct to changes after	ро [.] 60	wer supply, s 034-1.	subject to the	tolerances	s stipulated in IEC
must be eliminate (1) Looking the m (2) Measured at (3) Approximate manufacturing pr	ed. notor from the 1m and with t weight subjec rocess.	e shaft end. olerance of +3dB(A).	ро [.] 60	wer supply, s 034-1.			s stipulated in IEC
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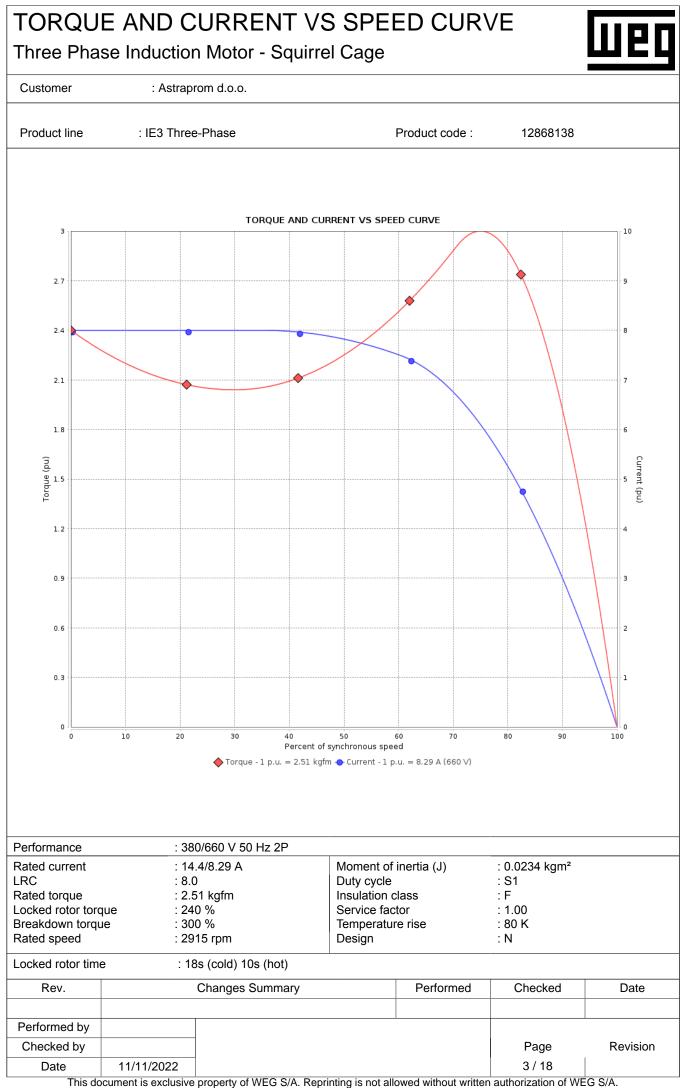
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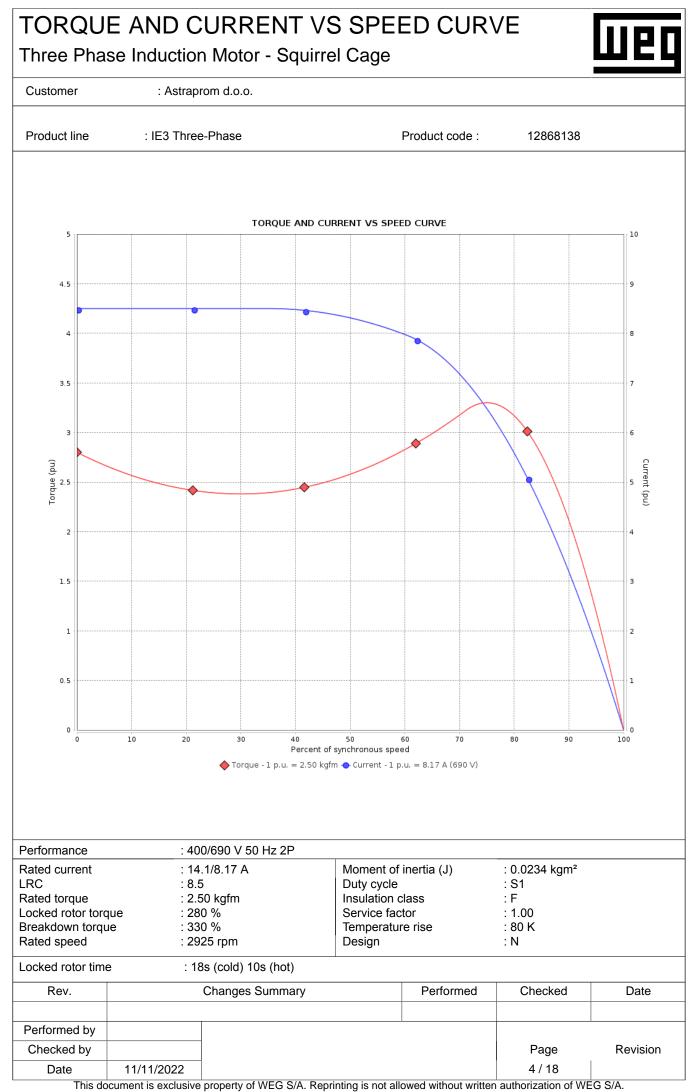
Customer

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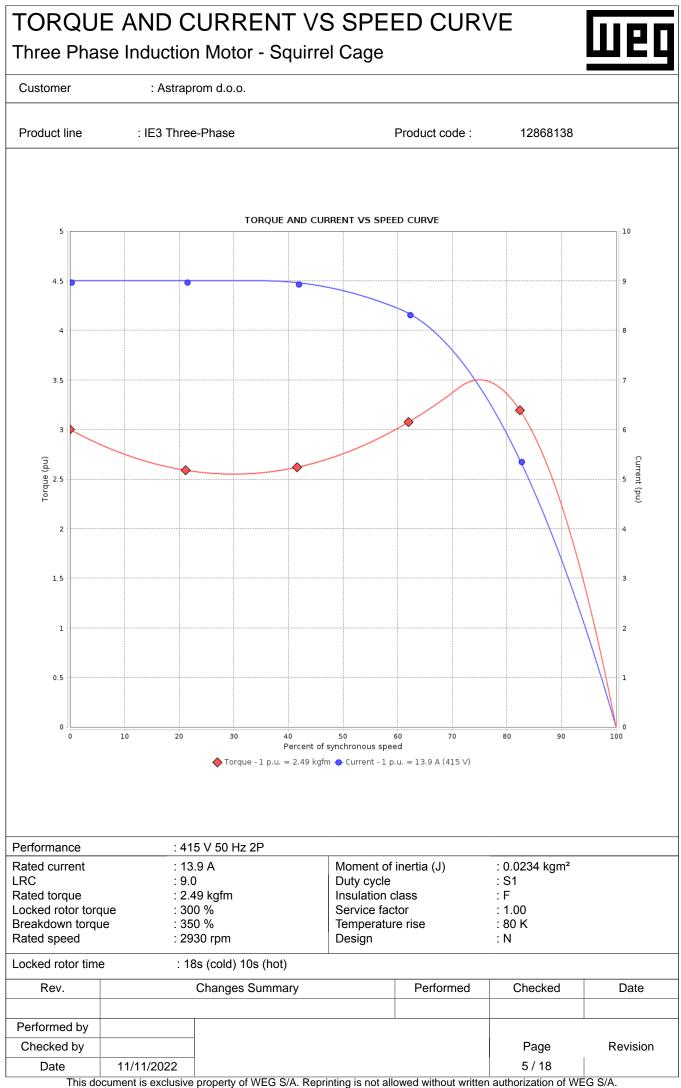
Thermal protection								
ID	Application			Sensing Temperature				
1	Winding	Thermistor - 2 wires	1 x Phase	15	5 °C			
Rev.	Cha	nges Summary	Performed	Checked	Date			
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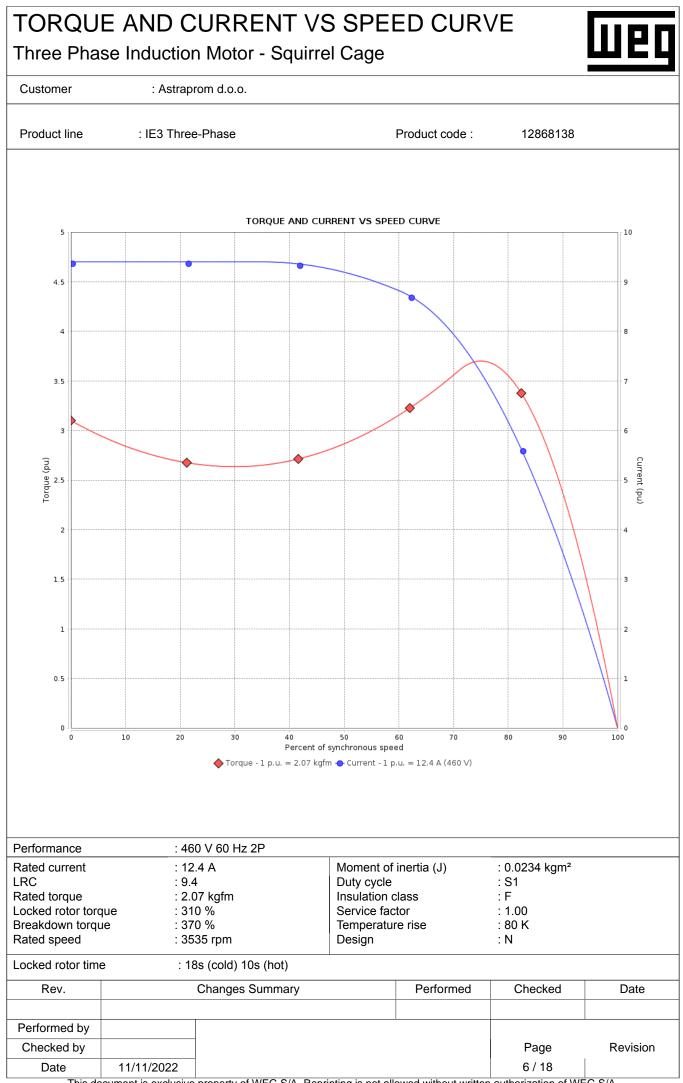
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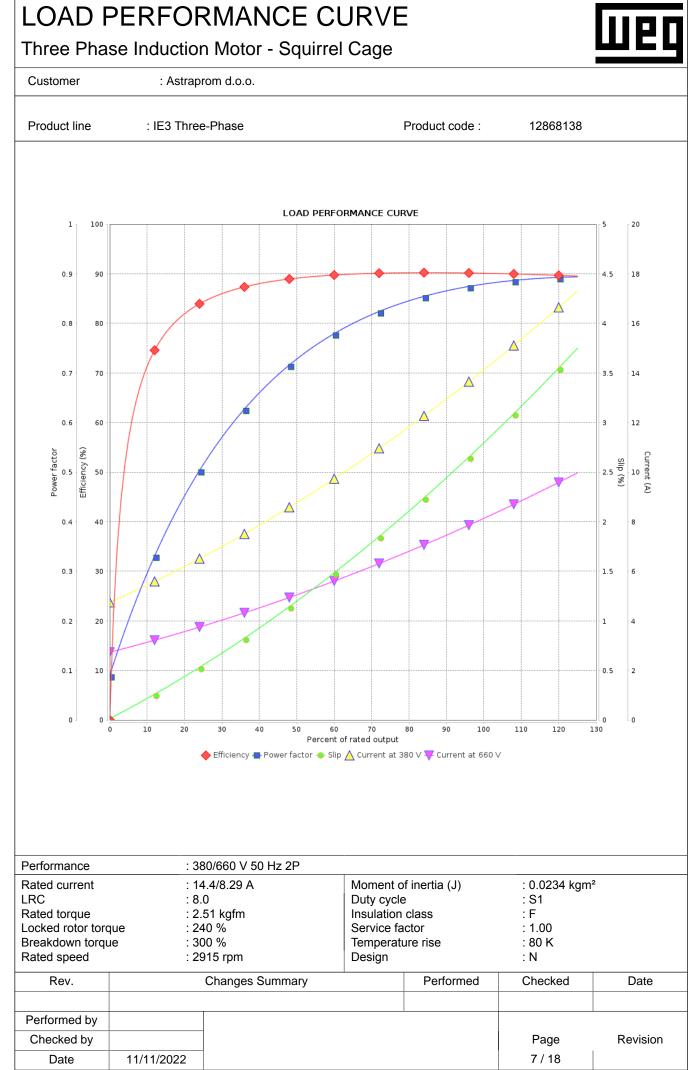




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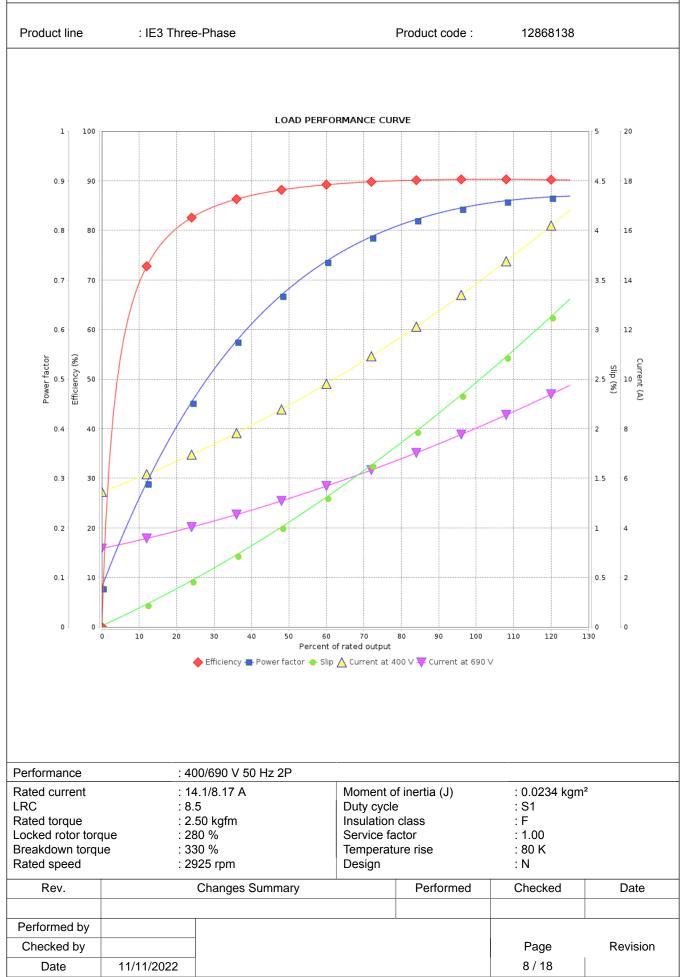
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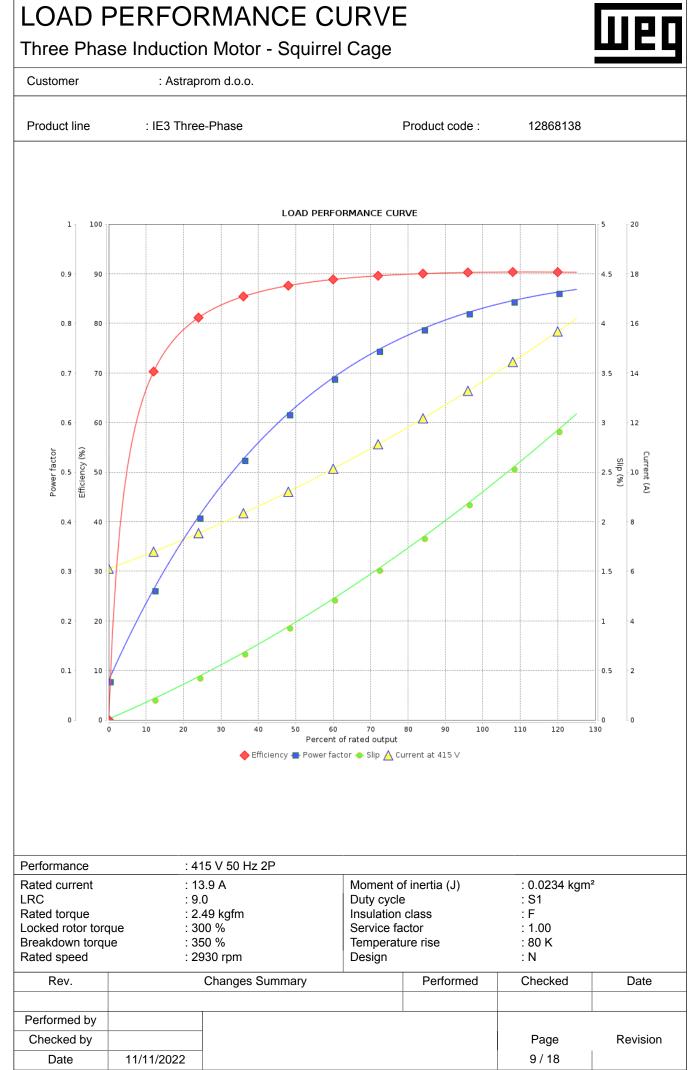
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